

D. Saunders  
RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/540,018p#4  
DATE: 10/16/2000  
TIME: 22:41:59

INPUT SET: S36009.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

## (1) General Information:

- (i) APPLICANT: Salfeld, Jochen G.  
Allen, Deborah J.  
Hoogenboom, Hendricus R.J.M.  
Kaymakcalan, Zehra  
Labkovsky, Boris  
Mankovich, John A.  
McGuinness, Brian T.  
Roberts, Andrew J.  
Sakorafas, Paul  
Schoenhaut, David  
Vaughan, Tristan J.  
White, Michael  
Wilton, Andrew J.

**ENTERED**

(ii) TITLE OF INVENTION: Human Antibodies that Bind Human TNFa

(iii) NUMBER OF SEQUENCES: 37

## (iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: LAHIVE & COCKFIELD  
(B) STREET: 60 State Street, suite 510  
(C) CITY: Boston  
(D) STATE: Massachusetts  
(E) COUNTRY: USA  
(F) ZIP: 02109-1875

## (v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: US 09/540,018  
(B) FILING DATE: 31-MARCH-2000  
(C) CLASSIFICATION:

## (vii) PRIOR APPLICATION DATA:

- (A) APPLICATION NUMBER: US/08/599,226  
(B) FILING DATE: 08-FEB-1996

## (viii) ATTORNEY/AGENT INFORMATION:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/540,018DATE: 10/16/2000  
TIME: 22:41:59

INPUT SET: S36009.raw

47 (A) NAME: DeConti, Giulio A., Jr.  
48 (B) REGISTRATION NUMBER: 31,503  
49 (C) REFERENCE/DOCKET NUMBER: BBI-043  
50  
51 (ix) TELECOMMUNICATION INFORMATION:  
52 (A) TELEPHONE: (617)227-7400  
53 (B) TELEFAX: (617)227-5941  
54  
55  
56 (2) INFORMATION FOR SEQ ID NO:1:  
57  
58 (i) SEQUENCE CHARACTERISTICS:  
59 (A) LENGTH: 107 amino acids  
60 (B) TYPE: amino acid  
61 (D) TOPOLOGY: linear  
62  
63 (ii) MOLECULE TYPE: peptide  
64  
65 (v) FRAGMENT TYPE: internal  
66  
67 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
68  
69 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
70 1 5 10 15  
71  
72 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr  
73 20 25 30  
74  
75 Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile  
76 35 40 45  
77  
78 Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly  
79 50 55 60  
80  
81 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro  
82 65 70 75 80  
83  
84 Glu Asp Val Ala Thr Tyr Tyr Cys Gln Arg Tyr Asn Arg Ala Pro Tyr  
85 85 90 95  
86  
87 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
88 100 105  
89  
90  
91 (2) INFORMATION FOR SEQ ID NO:2:  
92  
93 (i) SEQUENCE CHARACTERISTICS:  
94 (A) LENGTH: 121 amino acids  
95 (B) TYPE: amino acid  
96 (D) TOPOLOGY: linear  
97  
98 (ii) MOLECULE TYPE: peptide  
99

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/540,018DATE: 10/16/2000  
TIME: 22:42:00

INPUT SET: S36009.raw

100 (v) FRAGMENT TYPE: internal  
101  
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
103  
104 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg  
105 1 5 10 15  
106  
107 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp Asp Tyr  
108 20 25 30  
109  
110 Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
111 35 40 45  
112  
113 Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val  
114 50 55 60  
115  
116 Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr  
117 65 70 75 80  
118  
119 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
120 85 90 95  
121  
122 Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp Gly  
123 100 105 110  
124  
125 Gln Gly Thr Leu Val Thr Val Ser Ser  
126 115 120  
127  
128

## (2) INFORMATION FOR SEQ ID NO:3:

130  
131 (i) SEQUENCE CHARACTERISTICS:  
132 (A) LENGTH: 9 amino acids  
133 (B) TYPE: amino acid  
134 (D) TOPOLOGY: linear  
135  
136 (ii) MOLECULE TYPE: peptide  
137  
138 (v) FRAGMENT TYPE: internal  
139  
140 (ix) FEATURE:  
141 (A) NAME/KEY: Modified-site  
142 (B) LOCATION: 9  
143 (D) OTHER INFORMATION: /note= "Xaa is Thr or Ala"  
144

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

145  
146  
147 Gln Arg Tyr Asn Arg Ala Pro Tyr Xaa  
148 1 5  
149  
150

## (2) INFORMATION FOR SEQ ID NO:4:

152

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/540,018DATE: 10/16/2000  
TIME: 22:42:00

INPUT SET: S36009.raw

153 (i) SEQUENCE CHARACTERISTICS:  
154 (A) LENGTH: 12 amino acids  
155 (B) TYPE: amino acid  
156 (D) TOPOLOGY: linear  
157  
158 (ii) MOLECULE TYPE: peptide  
159  
160 (v) FRAGMENT TYPE: internal  
161  
162 (ix) FEATURE:  
163 (A) NAME/KEY: Modified-site  
164 (B) LOCATION: 12  
165 (D) OTHER INFORMATION: /note= "Xaa is Tyr or Asn"  
166  
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
168  
169 Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Xaa  
170 1 5 10  
171  
172  
173 (2) INFORMATION FOR SEQ ID NO:5:  
174  
175 (i) SEQUENCE CHARACTERISTICS:  
176 (A) LENGTH: 7 amino acids  
177 (B) TYPE: amino acid  
178 (D) TOPOLOGY: linear  
179  
180 (ii) MOLECULE TYPE: peptide  
181  
182 (v) FRAGMENT TYPE: internal  
183  
184 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
185  
186 Ala Ala Ser Thr Leu Gln Ser  
187 1 5  
188  
189  
190 (2) INFORMATION FOR SEQ ID NO:6:  
191  
192 (i) SEQUENCE CHARACTERISTICS:  
193 (A) LENGTH: 17 amino acids  
194 (B) TYPE: amino acid  
195 (D) TOPOLOGY: linear  
196  
197 (ii) MOLECULE TYPE: peptide  
198  
199 (v) FRAGMENT TYPE: internal  
200  
201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
202  
203 Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val Glu  
204 1 5 10 15  
205

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/540,018DATE: 10/16/2000  
TIME: 22:42:00

INPUT SET: S36009.raw

206 Gly

207

208

209

210 (2) INFORMATION FOR SEQ ID NO:7:

211

212 (i) SEQUENCE CHARACTERISTICS:

213 (A) LENGTH: 11 amino acids

214 (B) TYPE: amino acid

215 (D) TOPOLOGY: linear

216

217 (ii) MOLECULE TYPE: peptide

218

219 (v) FRAGMENT TYPE: internal

220

221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

222

223 Arg Ala Ser Gln Gly Ile Arg Asn Tyr Leu Ala

224 1 5 10

225

226

227 (2) INFORMATION FOR SEQ ID NO:8:

228

229 (i) SEQUENCE CHARACTERISTICS:

230 (A) LENGTH: 5 amino acids

231 (B) TYPE: amino acid

232 (D) TOPOLOGY: linear

233

234 (ii) MOLECULE TYPE: peptide

235

236 (v) FRAGMENT TYPE: internal

237

238 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

239

240 Asp Tyr Ala Met His

241 1 5

242

243

244 (2) INFORMATION FOR SEQ ID NO:9:

245

246 (i) SEQUENCE CHARACTERISTICS:

247 (A) LENGTH: 107 amino acids

248 (B) TYPE: amino acid

249 (D) TOPOLOGY: linear

250

251 (ii) MOLECULE TYPE: peptide

252

253 (v) FRAGMENT TYPE: internal

254

255 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

256

257 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly

258 1 5 10 15

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/540,018**

DATE: 10/16/2000  
TIME: 22:42:01

***INPUT SET: S36009.raw***

Line	Error	Original Text
16	Response Exceeds Line Limitations	White, Michael
17	Response Exceeds Line Limitations	Wilton, Andrew J.